

Work Order ID 166166

Tuesday, September 12, 2017 10:47:22 AM

166166

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09/14

Item ID: D412-761-043

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Modified Latch Mechanism, LH

Start Date: 9/13/2017 Start Qty: 1.00

Required Date: 9/15/2017 Req'd Qty: 1.00

Reference:

SEP 12 2017

Cust Item ID:

Customer:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

NR1

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN D412-761	G	SEP 13 2017							
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D412-761-043 CHG002								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.03							
Quality Control									

SEP 13 2017

6

DAS
28
9-89

SEP 13 2017

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DAS
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9-89

DAS
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9-89

SEP 13 2017

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DAS
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9-89

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DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																							
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																							
Root Cause		FAULT CATEGORY																																																													
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :	
Misidentified ☐	Past Due ☐																																																														

Work Order ID 166166

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Item ID: D412-761-043**Accept*****N900040100*****Setup Start*****NS1*****Revision ID:****Stop *NS2*****Item Name:** Modified Latch Mechanism, LH**Start Date:** 9/13/2017 **Start Qty:** 1.00 ***1*****Cust Item ID:****Required Date:** 9/15/2017 **Req'd Qty:** 1.00 ***1*****Customer:****Reference:****Approvals:** **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____**Run Start*****NR1*****QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____**Stop*****NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-761-043 Location: FG020								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.10							
Quality Control									

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
DART 85 88								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : ☐									

Picklist Print

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Work Order ID: 166166

166166

Parent Item: D412-761-043

D412-761-043

Parent Item Name: Modified Latch Mechanism, LH

Start Date: 9/13/2017

Required Date: 9/15/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 09-01-13 rev.C as per dwg DD verified by:EC IPP REV:B
11.11.29 AS PER DSI9580 DD VRF:EC IPP REV:C 12.07.23
ECN12-568 chg002 DD VRF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3589-041 *D3589-041* Latch Assembly		Manufactured	No		57369	110	Each	0.0000	1 **	6 160228		SEP 13 2017	DAS 27 9-89
D3589-047 *D3589-047* Fwd Guide		Manufactured	No			110	Each	6.0000	1 **	6		SEP 13 2017	DAS 27 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST041			6			6			DAS 27 9-89
					160370		6			6			
D3589-049 *D3589-049* Aft Guide		Manufactured	No			110	Each	6.0000	1 **	6		SEP 13 2017	DAS 27 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST041			6			6			DAS 27 9-89
					160230		6			6			
MS16997-24 *MS16997-24* SCREW		Purchased	No			110	Each	27.0000	2 **	12		SEP 13 2017	DAS 27 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST316			27			3			DAS 27 9-89
					m134861		3			3			
					m137963		24			3			

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Work Order ID: 166166

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Parent Item: D412-761-043

D412-761-043

Parent Item Name: Modified Latch Mechanism, LH

Start Date: 9/13/2017

Required Date: 9/15/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149DN632J

Purchased

No

110

Each

114.0000

2

2/2

NAS1149DN632.J

Washer

**

Location

Loc Qty

Loc Code

ST265

114

m134370

114

110

Each

188.0000

2

2/2

MS21042L06

Purchased

No

MS21042I 06

Nut

**

Location

Loc Qty

Loc Code

ST303

188

m137391

38

m137851

100

m138237

50

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Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date: _____		Step #: _____		QTY Effective : _____				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

6.0 PARTS LIST, FULL VERTICAL REFERENCE DOOR MOD KITS

QTY -041	QTY -041A	QTY -043	QTY -045	QTY -047	QTY -049	QTY -051	QTY -053	QTY -141	PART NUMBER	DESCRIPTION
									D412-761-011	FULL VERTICAL REFERENCE DOOR, LH
									D412-761-011A	FULL VERTICAL REFERENCE DOOR, LH
X									D412-761-041	FULL VERTICAL REFERENCE DOOR KIT, LH
	X								D412-761-041A	FULL VERTICAL REFERENCE DOOR KIT, LH
		X	1						D412-761-043	MODIFIED LATCH MECHANISM KIT, LH
1	1		X						D412-761-045	LARGE BUBBLE WINDOW KIT, LH
1	1			X					D412-761-047	DOOR MOUNTED INSTRUMENT PANEL KIT, LH
1					X				D412-761-049	ARMREST KIT, LH
	1					X			D412-761-051	ARMREST KIT, LH
							X		D412-761-053	DOOR MOUNTED INSTRUMENT PANEL KIT, LH
								X	D412-761-141	VENT KIT
		1							D3589-041	LATCH ASSEMBLY
		1							D3589-047	FORWARD GUIDE
		1							D3589-049	AFT GUIDE
		2							MS16997-24	SCREW
		2							MS21042L06	NUT
		2							NAS1149DN632J	WASHER (OR AN960JD6L)
			1						D3676-1	LARGE BUBBLE WINDOW
			1						D3678-1	PLACARD
			1						D3678-3	PLACARD
			1						D3678-5	PLACARD
			1						D3700-1	INBOARD WINDOW DOUBLER
			1						D3700-3	OUTBOARD WINDOW DOUBLER
			1						D3701-1	FLOOR DOUBLER
			1						D3702-1	FORWARD DOUBLER
			1						D3703-1	AFT DOUBLER
			1						D3703-3	AFT CORNER DOUBLER
			1						D3703-5	AFT CAP
			1						D3704-1	ESCUTCHEON
			1						D3704-3	ESCUTCHEON
			1						D3708-1	ANGLE
			1						D3708-3	ANGLE
			1						D3709-1	ANGLE
			1						D3709-3	ANGLE
			1						D3802-1-135	SEAL
			1						DT9458	CUTTING TEMPLATE
			26						AN3-7A	BOLT
			26						MS21042L3	NUT
			1						MS24694-C5	SCREW (OR MS24694-S5)
			1						MS24694-C13	SCREW (OR MS24694-S13)
			1						NAS43DD3-24	SPACER
			52						NAS1149D0363J	WASHER (OR AN960JD10)

5.0 PARTS LIST, MODIFIED FULL VERTICAL REFERENCE DOOR KITS

QTY -011	QTY -011A	QTY -041	QTY -041A	QTY -043	QTY -045	QTY -047	QTY -049	QTY -051	QTY -053	QTY -141	PART NUMBER	DESCRIPTION
X											D412-761-011	FULL VERTICAL REFERENCE DOOR, LH
	X										D412-761-011A	FULL VERTICAL REFERENCE DOOR, LH
1		X									D412-761-041	FULL VERTICAL REFERENCE DOOR KIT, LH
	1		X								D412-761-041A	FULL VERTICAL REFERENCE DOOR KIT, LH
				X	1						D412-761-043	MODIFIED LATCH MECHANISM KIT, LH
		1	1		X						D412-761-045	LARGE BUBBLE WINDOW KIT, LH
		1	1			X					D412-761-047	DOOR MOUNTED INSTRUMENT PANEL KIT, LH
		1					X				D412-761-049	ARMREST KIT, LH
			1					X			D412-761-051	ARMREST KIT, LH
									X		D412-761-053	DOOR MOUNTED INSTRUMENT PANEL KIT, LH
1	1									X	D412-761-141	VENT KIT
1	1										204-030-853-125 OR 204-030-853-137 OR 204-030-853-155 OR 204-030-853-153	BELL 204, 205, 210, 412 OEM DOOR